BRUHATH BENGALORE MAHANAGARA PALIKE

Byatarayanapura Division

Agreement No.BBMP/EE/BTP/WO/75/2022-23 Date- 24/11/2022

Work order No.BBMP/EE/BTP/WO/75/2022-23 Date- 24/11/2022

Job Code / Indent No :- 007-20-000080

Name of Work: Improvements Roads From NH-07 to Sanjeevininagar up to Hebbala Sarovara layout in ward no 07 and ward No 08 in kodigehalli sub division.

Name of Agency: Sri. B B Umesha (M/s SMLP Asphalts)

Modified Schedule-B

Item No	Description of Item	unit	Qty	Rate	In words
1	Removing and Refixing stone slabs of drains and pointing in C.M(1:3) (p no 25 l no 5.33of pw,p&IWTD SR 2018-19)	Sqm	259.61	120.00	Rupees One Hundred Twenty Only
2	KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications MORTH/ Chapter 3 (p no 142 l no 19.1 of pw,p&IWTD SR 2018-19)	Cum	972.78	145.00	Rupees One Hundred FourtyFive Only
3	KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89 cum and fine aggregtes @ 0.46cum, in foundation machanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labours, HOM curing, from works, scffolding and centering complete as per specifications.(P.No- 222, I.No-27.18)	Cum	163.31	6,105.00	Rupees Six Thousand One Hundred Five Only
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.271. Item No.37.59	Cum	321.14	8,110.00	Rupees Eight Thousand One Hundred Ten Only
5	KSRRB M 2200-6 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19	Tonne	18.90	95035.00	Rupees NinetyFive Thousand ThirtyFive Only
6	Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforecement , inclunding form work, lift charges, curing and concrete finishined surfaces on both side etc., complete as per drawing and the directions of Engineer in-charge.(Date rate)	Sqm	723.15		
	Qnty Up 125%	Sqm	219.38	2348.00	Rupees Two Thousand Three Hundred FourtyEight Only
	Qnty Above 125%	Sqm	503.78	2348.18	Rupees Two Thousand Three Hundred FourtyEight Paise Eighteen Only
7	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	21.84		
	Qnty Up 125%	Sqm	15.00	5685.00	Rupees Five Thousand Six Hundred EightyFive Only
	Qnty Above 125%	Sqm	6.84	5687.27	Rupees Five Thousand Six Hundred EightySeven Paise TwentySeven Only

Item No	Description of Item	unit	Qty	Rate	In words
8	Dismantling of cement concrete pavement by mechanical means using pnuematic tools, breaking to pieces not not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled material stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH specification No 202 with all lead and lift, loading and unloading and all other incidental charges etc., complete as per specification and direction of the engineer in charge of the work	Cum	0.00	1120.00	Item Not Operated
9	Excavation for roadwork in all type of soil by mechanical means including cutting and laoding in tippers,trimming bottom and side slopes , in accordance with requiement of lines , grades and cross section , and transporting to the embankment location to a lead of 1 km and complete as per specifications Morth specification No 30 loading and uloading with 10km lead (i no 19.14, p no 143)	Cum	206.85	165.00	Rupees One Hundred SixtyFive Only
10	Constructing un-reinforced,plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum,fine aggregates at 0.46 cum,coarse and fine aggregate conforming to IS:383-2016,with Superplastizer at 3 lts conforming to IS 9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design,laid in approved fixed side form work (sreel channel,layning and fixing of 125 micron thick polythene fim, wedges, steel plates including levelling the form work as per drawing). & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints,including groove cutting charges,joint filler,separation membrane of impermiable plastic sheet of 125 micron,sealant primer, joint sealant, admixtures as approved, curring compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,labour,hire charges of machineries , all lead & lift charges etc., complete as per specifications.	Cum	0.00	6300.00	Item Not Operated
E1	Construction of Granular Sub-Base of required grading as per design spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per	Cum	88.65	2579.53	Rupees Two Thousand Five Hundred SeventyNine Paise FiftyThree Only
E2	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Vol-3. PWDSR 2021 22,Pno.24.ItNo.4.27	Cum	147.75	2764.28	Rupees Two Thousand Seven Hundred SixtyFour Paise TwentyEight Only
E3	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90kg per m2 using mechanical means. Vol-3. PWDSR 2021 22,Pno.29.ItNo.5.1(Issue Rate 07/07/2022)	Sqm	591.00	48.50	Rupees FourtyEight Paise Fifty Only
E4	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. Vol-3. PWDSR 2021 22,Pno.33.ItNo.5.12 C (Issue Rate 07/07/2022)	Cum	29.55	10552.53	Rupees Ten Thousand Five Hundred FiftyTwo Paise FiftyThree Only
E5	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Vol-3. PWDSR 2021 22,Pno.29.ItNo.5.3 (Issue Rate 07/07/2022)	Sqm	591.00	13.86	Rupees Thirteen Paise EightySix Only
E6	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects Vol-3. PWDSR 2021 22,Pno.36.ItNo.5.16 C (Issue Rate 07/07/2022)	Cum	23.64	12252.20	Rupees Twelve Thousand Two Hundred FiftyTwo Paise Twenty Only

Item No	Description of Item	unit	Qty	Rate	In words
E7	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Vol-3. PWDSR 2021 22,Pno.57.ItNo.8.15	Sqm	19.70	551.93	Rupees Five Hundred FiftyOne Paise NinetyThree Only

Executive Engineer,
Byatarayanapura Division
BBMP Bangalore